

1 Docket No. VLK-001.01

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3 SMART-CACHING SYSTEM AND METHOD

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5 ABSTRACT OF THE DISCLOSURE

6 Methods and systems to distribute cached information for
7 efficient processing without overloading system resources. In an
8 embodiment, VGENs can be implemented as software engines that can
9 reside on a web server or another server that responds to
10 requests for information in a networked environment. A hash
11 table can identify whether a VGEN exists with cached information
12 to process the request. If an available VGEN engine includes the
13 cached information, the available VGEN is assigned to process the
14 request; otherwise, another available VGEN can be selected to
15 process the request, wherein the VGEN is augmented to include the
16 cached information and the hash table is updated to reflect the
17 VGEN statistics. VGENs can maintain persistent connections to
18 databases, file systems, session manager daemons, real-time data
19 sources, etc., to facilitate the processing of requests.

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